



PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 10

Complete If Known

Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	M OFITZ
Attorney Docket Number	03760.019/5136P

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AM		US- 4,914,590	04-03-1990	Loatman et al.	704/8
		US- 5,694,523	12-02-1997	Wical	706/45
		US- 5,933,818	08-03-1999	Kasravi et al.	706/12
		US- 20030167266-A1	09-04-2003	Saldanha et al.	707/6
		US- 6,304,870	10-16-2001	Kushmerick et al.	707/4
		US- 6,102,969	08-15-2000	Christianson et al.	717/146
		US- 5,890,103	03-30-1999	Carus	704/9
		US- 5,768,580	06-16-1998	Wical	707/102
		US- 5,887,120	03-23-1999	Wical	706/46
		US- 5,918,236	06-29-1999	Wical	715/500
		US- 5,930,788	07-27-1999	Wical	707/5
		US- 5,940,821	08-17-1999	Wical	707/3
		US- 5,953,718	09-14-1999	Wical	707/5
		US- 5,963,940	10-05-1999	Liddy et al.	707/5
		US- 6,038,560	03-14-2000	Wical	707/5
		US- 6,061,675	05-09-2000	Wical	706/45
		US- 6,076,088	06-13-2000	Paik et al.	707/5
		US- 6,199,034	03-06-2001	Wical	704/9
AM		US- 6,263,335	07-17-2001	Paik et al.	707/5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
AM		WO-98/24016	06-04-1998	Devoino et al.	—	
		WO-99/18527	04-15-1999	Batchilo et al.	—	
		WO-00/14651	03-16-2000	Tsourikov et al	—	
AM		WO-00/46703	08-10-2000	Devoino et al.	—	

Examiner Signature

Date Considered

05-24-06

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 10

Complete if Known

Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2163
Examiner Name	MOFTZ
Attorney Docket Number	03760.019/5136P

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 6,460,034	10-01-2002	Wical	707/5
		US- 6,487,545	11-26-2002	Wical	706/45
		US- 6,507,829	01-14-2003	Richards et al.	706/45
		US- 6,513,006	01-28-2003	Howard et al.	707/257
		US- 6,523,026	02-18-2003	Gillis	707/3
		US- 6,553,385	04-22-2003	Johnson et al.	707/184.1
		US- 6,567,805	05-20-2003	Johnson et al.	707/5
		US- 6,571,235	05-27-2003	Marpe et al.	707/3
		US- 6,584,470	06-24-2003	Veale	707/102
		US- 6,594,658	07-15-2003	Woods	707/5
		US- 6,601,026	07-29-2003	Appelt et al.	707/9
		US- 6,604,094	08-05-2003	Harris	706/48
		US- 6,615,209	09-02-2003	Gomes et al.	707/5
		US- 6,618,725	09-09-2003	Fukuda et al.	707/6
		US- 20030163302	08-28-2003	Yin	704/9
		US-			

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Sheet 3 of 10

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Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	MOF12
Attorney Docket Number	03760.019/5136P

U. S. PATENT DOCUMENTS

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AM		US- 4,965,763	10-23-1990	Zamora	704/1
		US- 4,992,972	02-12-1991	Brooks et al.	715/708
		US- 5,146,405	09-08-1992	Church	704/9
		US- 5,614,899	03-25-1997	Tokuda et al.	341/51
		US- 5,696,916	12-09-1997	Yamazaki et al.	715/853
		US- 5,799,268	08-25-1998	Boguraev	704/9
		US- 5,802,504	09-01-1998	Suda et al.	706/11
		US- 5,844,798	12-01-1998	Uramoto	704/2
		US- 5,878,385	03-02-1999	Bralich et al.	704/9
		US- 5,901,068	05-04-1999	Batchilo et al.	703/6
		US- 6,056,428	05-02-2000	Devoino et al.	703/2
		US- 6,167,370	12-26-2000	Tsourikov et al.	704/9
AM		US- 6,202,043	03-13-2001	Devoino et al.	703/17
		US-			

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		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)				

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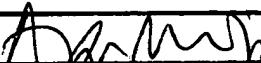
Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	MORITZ
Attorney Docket Number	03760.019/5136P

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (If known)			
AM		US- 4,864,502	09-05-1989	Kucera et al.	204/8
		US- 4,868,750	09-19-1989	Kucera et al.	204/8
		US- 4,887,212	12-12-1989	Zamora et al.	204/8
		US- 4,905,138	02-27-1990	Boume	217/139
		US- 4,994,966	02-19-1991	Hutchins	204/9
		US- 5,068,789	11-26-1991	van Vliembergen	204/9
		US- 5,083,268	01-21-1992	Hemphill et al.	206/11
		US- 5,164,899	11-17-1992	Sobotka et al.	204/9
		US- 5,225,981	07-06-1993	Yokogawa	204/12
		US- 5,243,520	09-07-1993	Jacobs et al.	204/9
		US- 5,268,840	12-07-1993	Chang et al.	204/9
		US- 5,297,040	03-22-1994	Hu	204/9
		US- 5,323,316	06-21-1994	Kadashevich et al.	204/9
		US- 5,369,577	11-29-1994	Kadashevich et al.	204/9
		US- 5,424,947	06-13-1995	Nagao et al.	204/9
		US- 5,438,512	08-01-1995	Mantha et al.	215/517
		US- 5,559,693	09-24-1996	Anick et al.	204/9
AM		US- 5,682,539	10-28-1997	Conrad et al.	204/9
		US- 5,687,384	11-11-1997	Nagase	204/9

FOREIGN PATENT DOCUMENTS

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Sheet 5 of 10

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Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	MOP/TS

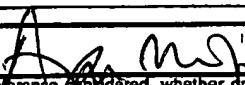
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AM		US- 5,721,938	02-24-1998	Stuckey	204/1
		US- 5,752,052	05-12-1998	Richardson et al.	204/9
		US- 5,781,879	07-14-1998	Arnold et al.	204/9
		US- 5,878,386	03-02-1999	Coughlin	204/10
		US- 5,926,784	07-20-1999	Richardson et al.	204/9
		US- 5,930,746	07-27-1999	Ting	204/9
		US- 5,960,384	09-28-1999	Brash	204/9
		US- 5,963,894	10-05-1999	Richardson et al.	204/9
		US- 5,991,539	11-23-1999	Williams	204/13
		US- 6,052,693	04-18-2000	Smith et al.	207/104.1
		US- 6,138,087	10-24-2000	Budzinski	204/9
		US- 6,182,029	01-30-2001	Friedman	204/9
		US- 6,223,150	04-24-2001	Duan et al.	204/9
		US- 6,243,669	06-05-2001	Horiguchi et al.	204/9
		US- 6,446,081	09-03-2002	Preston	207/104.1
		US- 6,505,157	01-07-2003	Elworthy	207/257
		US- 6,535,886	03-18-2003	Koontz	207/102
		US- 6,553,385	04-22-2003	Johnson et al.	207/104.1
AM		US- 6,556,964	04-29-2003	Haug et al.	204/9

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Sheet

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of

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First Named Inventor	Wakefield, Todd D.
Art Unit	2165
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AM		US- 6,609,087	08-19-2003	Miller et al.	703/22
		US-			—
		US- 5,060,155	10-22-1991	van Zuijlen	704/9
		US- 5,095,432	03-10-1992	Reed	704/9
		US- 5,146,406	09-08-1992	Jensen	704/9
		US- 5,311,429	05-10-1994	Tominaga	704/10
		US- 5,418,717	05-23-1995	Su et al.	704/9
		US- 5,438,511	08-01-1995	Maxwell, III et al.	704/1
		US- 5,475,587	12-12-1995	Anick et al.	704/9
		US- 5,490,061	02-06-1996	Tolin et al.	704/2
		US- 5,594,837	01-14-1997	Noyes	706/55
		US- 5,727,222	03-10-1998	Maxwell, III et al.	704/9
		US- 5,761,631	06-02-1998	Nasukawa	704/9
		US- 5,794,050	08-11-1998	Dahigren et al.	717/144
		US- 5,819,210	10-06-1998	Maxwell, III et al.	704/9
		US- 5,841,900	11-24-1998	Rahgozar et al.	382/176
		US- 5,878,406	03-02-1999	Noyes	706/55
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AM		US- 5,963,742	10-05-1999	Williams	717/143

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		US- 5,983,169	11-09-1999	Kozma	704/2
		US- 5,995,922	11-30-1999	Penteroudakis et al.	704/9
		US- 5,999,896	12-07-1999	Richardson et al.	704/9
		US- 6,023,760	02-08-2000	Karttunen	704/300
		US- 6,055,494	04-25-2000	Friedman	704/9
		US- 6,061,675	05-09-2000	Wical	706/45
		US- 6,064,953	05-16-2000	Maxwell, III et al.	704/9
		US- 6,108,620	08-22-2000	Richardson et al.	704/9
		US- 6,128,596	10-03-2000	Mackie	704/257
		US- 6,163,767	12-19-2000	Tang et al.	704/231
		US- 6,199,034	03-06-2001	Wical	704/9
		US- 6,263,335	07-17-2001	Paik et al.	707/5
		US- 6,272,495	08-07-2001	Hetherington	702/101
		US- 6,289,304	09-11-2001	Grefenstette	704/9
		US- 6,292,771	09-18-2001	Haug et al.	704/9
		US- 6,360,197	03-19-2002	Wu et al.	704/9
		US- 6,487,545	11-26-2002	Wical	706/45
AM		US- 6,571,240	03-27-2003	Ho et al.	707/5

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" "Kind Code" (# known)				

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 8 of 10

Complete if Known

Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	MOTIB

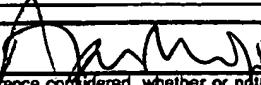
Attorney Docket Number 03760.019/5136P

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AM		US- 6,609,091	08-19-2003	Budzinski	704/9
		US- 6,611,825	08-26-2003	Billheimer et al.	706/45
		US- 20020007358	01-17-2002	Johnson et al.	707/4
		US- 20020010714	01-24-2002	Hetherington	710/505
		US- 20020013793	01-31-2002	Bergan et al.	715/526
		US- 20020032740	03-14-2002	Stern	709/206
		US- 20020042711	04-11-2002	Lin	704/257
		US- 20020046018	04-18-2002	Marcu et al.	704/9
		US- 20020046019	04-18-2002	Verhagen et al.	704/19
		US- 20020102025	08-01-2002	Wu et al.	382/229
		US- 20020111793	08-15-2002	Luo et al.	704/10
		US- 20020123881	09-05-2002	Schmid et al.	704/14
		US- 20020128816	09-12-2002	Haug et al.	704/14
		US- 20020128819	09-12-2002	Jessee et al.	704/10
		US- 20020196679	12-26-2002	Lavi et al.	365/200
		US- 20030004716	01-02-2003	Haigh et al.	704/238
		US- 20030074186	04-17-2003	Wang	704/16
		US- 20030074187	04-17-2003	Ait-Mokhtar et al.	704/9
AM		US- 20030078899	04-24-2003	Shanahan	706/8

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 10

Complete if Known

Application Number	10/729,833
Filing Date	December 5, 2003
First Named Inventor	Wakefield, Todd D.
Art Unit	2165
Examiner Name	Mofit
Attorney Docket Number	03760.019/5136P

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/729,833
				Filing Date	December 5, 2003
				First Named Inventor	Wakefield, Todd D.
				Art Unit	2165
				Examiner Name	MOF12
Sheet	10	of	10	Attorney Docket Number	03760.019/5136P

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
AM		BEAN, "Corpus-Based Identification ...", 27th Annual Meeting of the Association of Computational Linguistics, June 20-26 1999, p. 373-380, University of Maryland, USA			
		RILOFF, "An Empirical Approach to Conceptual Case Frame Acquisition", Proceedings of the Sixth Workshop on Very Large Corpora, 1998			
		RILOFF, "Little Words Can Make a...", Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 1995, pp. 130-136			
		RILOFF, "Using Learned Extrac...", Connectionist, Statistical, and Symbolic Approaches to Learning for Natural Language Processing, 1996, Springer-Verlag, Berlin, pp. 275-289			
		RILOFF, "Automatically Constructing a Dictionary for Informa...", Proceedings of the Eleventh National Conference on Artificial Intelligence, 1993, MIT Press, pages 811-816			
		RILOFF, "Automatically Generating Extraction Patters from Untagged Text", Proceedings of the Thirteenth National Conference on Artificial Intelligence, 1996, pp. 1044-1049			
		ZICKUS, "A Software Engineering Approach to Developing an Object-Oriented Lexical Access Database and Semantic Reasoning Module", 1995, University of Delaware			
		GIRARDI, "An Approach to Improve the Effectiveness of Software...", Proceedings of the Third Irvine Software Symposium (ISS'93), April 30, 1993, Irvine, California, pp. 89-100			
AM		"State-of-the-art of Spoken Language Systems - a Survey", Sept. 1992, Speech Technology Centre, Aalborg University, Aalborg, Denmark			

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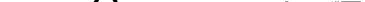


INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
<i>Substitute for Form 1449A/PTO</i>				Application Number	10/729,833
				Filing Date	December 5, 2003
				First Named Inventor	WAKEFIELD, Todd D.
				Art Unit	2171-2165
				Examiner Name	Unassigned MOF1Z
				Attorney Docket Number	5136 P
Sheet	1	of	1		

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Examiner Signature		Date Considered	05-24-06
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